

# Small Water Systems Award

To recognize small water systems in British Columbia for initiatives that demonstrates outstanding effort in the delivery of safe drinking water

## Copperdome Lodge Ltd. Pemberton BC

- Formerly an elementary school, then Outward Bound; now a Group Lodge facility catering to education, health and wellness, corporate and outdoor groups.
- Serves two buildings, up to 40 people
- Owner: Ian Porter of Vancouver, BC
  
- Challenges:
  - well is located 5 kms from a cattle stockyard. The area is subject to flooding with possible well contamination.
  - also potentially influenced by a potato testing laboratory
  - A sewage is field located on the other side of main building
  - alternative low-risk sources not readily available.
- Actions:
  - May 2006: Boil Water Advisory issued
  - October 2006: study performed by Dayton & Knight Ltd: determined application too small to justify *engineered system*.
  - February 2007: RFQ issued for acceptable packaged water system
  - May 2007: Filterco install a multiple barrier system including hyper-chlorination, contact chamber, sediment and carbon filtration, and UV disinfection.
  
- Results:
  - Water quality meets standards and improved aesthetics.
  - Solution was prompt, appropriate and affordable
  - System is straight forward to operate and maintain.
  - System approved without Engineering drawings

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Hyper-chlorination with Contactor

Two-Stage  
Cartridge  
Sediment  
Filters



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Automatic Filtration and duplex NSF-Rated UV  
Sterilizers c/w Solenoid Shut-Off